

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020819\
 Data File : VF061559.D
 Acq On : 8 Feb 2019 15:29
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/12/2019 2:32:04 AM

Quant Time: Feb 09 04:37:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	171036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	293740	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	268119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	134826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	97089	45.98	ug/l	0.02
Spiked Amount	50.000		Recovery	=	91.96%	
35) Dibromofluoromethane	4.11	113	110649	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
50) Toluene-d8	7.55	98	283960	44.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.42%	
62) 4-Bromofluorobenzene	11.41	95	136369	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	147809	43.983	ug/l	93
3) Chloromethane	1.10	50	108267	43.937	ug/l	95
4) Vinyl Chloride	1.14	62	101238	46.186	ug/l	98
5) Bromomethane	1.32	94	69249	48.447	ug/l	98
6) Chloroethane	1.39	64	48869	50.315	ug/l	96
7) Trichlorofluoromethane	1.48	101	195334	45.839	ug/l	99
8) Diethyl Ether	1.64	74	29261	53.590	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	93198	45.517	ug/l	94
10) Methyl Iodide	1.91	142	148896m	46.907	ug/l	
11) Tert butyl alcohol	2.57	59	23048	257.858	ug/l	95
12) 1,1-Dichloroethene	1.79	96	74249	48.810	ug/l	92
13) Acrolein	2.00	56	15440	202.592	ug/l	93
14) Allyl chloride	2.10	41	103830	62.349	ug/l	92
15) Acrylonitrile	2.95	53	53703	234.558	ug/l	89
16) Acetone	2.24	43	106436	251.251	ug/l	99
17) Carbon Disulfide	1.82	76	209925m	44.258	ug/l	
18) Methyl Acetate	2.35	43	47337	56.346	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	160177	46.972	ug/l	97
20) Methylene Chloride	2.18	84	80294m	56.050	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	80540	48.122	ug/l	92
22) Diisopropyl ether	2.80	45	263463	48.669	ug/l	95
23) Vinyl Acetate	3.19	43	593437	249.241	ug/l	99
24) 1,1-Dichloroethane	2.87	63	164274	48.350	ug/l	98
25) 2-Butanone	4.34	43	175334	248.888	ug/l	100
26) 2,2-Dichloropropane	3.60	77	91173	43.677	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	120261	48.677	ug/l	98
28) Bromochloromethane	3.72	49	71457	46.789	ug/l	96
29) Tetrahydrofuran	4.07	42	69681	229.713	ug/l	96
30) Chloroform	3.87	83	224952	49.060	ug/l	96
31) Cyclohexane	3.70	56	154792m	45.609	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	158691	47.200	ug/l	96
36) 1,1-Dichloropropene	4.28	75	164610	48.333	ug/l	95
37) Ethyl Acetate	4.11	43	67337	49.462	ug/l #	85
38) Carbon Tetrachloride	3.99	117	140602	47.222	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	163296m	44.243	ug/l	
40) Benzene	4.63	78	356418	47.031	ug/l	99
41) Methacrylonitrile	4.74	41	36372	50.209	ug/l	92
42) 1,2-Dichloroethane	4.94	62	139854	51.788	ug/l	95
43) Isopropyl Acetate	6.96	43	83234	48.713	ug/l #	91
44) Trichloroethene	5.50	130	107372	46.186	ug/l	99
45) 1,2-Dichloropropane	6.24	63	96005	48.268	ug/l	99
46) Dibromomethane	6.09	93	65998	49.902	ug/l	92
47) Bromodichloromethane	6.39	83	166480	50.876	ug/l	99
48) Methyl methacrylate	6.72	41	55946	48.760	ug/l	92
49) 1,4-Dioxane	6.71	88	9054	1140.202	ug/l #	87
51) 4-Methyl-2-Pentanone	8.25	43	317017	252.377	ug/l	98
52) Toluene	7.62	92	226007	45.286	ug/l	96
53) t-1,3-Dichloropropene	8.27	75	130651	50.282	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	167835	51.675	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	76018	53.640	ug/l	97
56) Ethyl methacrylate	8.62	69	83637	50.726	ug/l	99
57) 1,3-Dichloropropane	8.86	76	129892	48.898	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	59293	332.706	ug/l	95
59) 2-Hexanone	9.50	43	233743	266.854	ug/l	96
60) Dibromochloromethane	8.72	129	107580	51.924	ug/l	96
61) 1,2-Dibromoethane	8.98	107	75793	46.717	ug/l	93
64) Tetrachloroethene	8.16	164	100204	49.697	ug/l	97
65) Chlorobenzene	9.80	112	259350	47.566	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	110984	51.097	ug/l	97
67) Ethyl Benzene	9.90	91	478034	47.987	ug/l	98
68) m/p-Xylenes	10.13	106	340725	95.097	ug/l	100
69) o-Xylene	10.71	106	190231	48.988	ug/l	99
70) Styrene	10.79	104	244903	46.073	ug/l	99
71) Bromoform	10.78	173	49438	50.658	ug/l #	98
73) Isopropylbenzene	11.13	105	554894	50.603	ug/l	99
74) N-amyl acetate	11.37	43	141712	54.652	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	96322	49.307	ug/l	94
76) 1,2,3-Trichloropropane	11.80	75	71490	50.930	ug/l	94
77) Bromobenzene	11.50	156	114780	49.563	ug/l	98
78) n-propylbenzene	11.60	91	645774	48.129	ug/l	97
79) 2-Chlorotoluene	11.72	91	362454	47.639	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	457600	51.710	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	28189m	46.197	ug/l	
82) 4-Chlorotoluene	11.89	91	362673	47.238	ug/l	94
83) tert-Butylbenzene	12.13	119	456940	49.888	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	437746	48.023	ug/l	92
85) sec-Butylbenzene	12.31	105	615767	49.504	ug/l	99
86) p-Isopropyltoluene	12.46	119	505506	49.507	ug/l	95
87) 1,3-Dichlorobenzene	12.48	146	210420	45.243	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	218105	49.839	ug/l	98
89) n-Butylbenzene	12.84	91	507935	48.235	ug/l	97
90) Hexachloroethane	12.92	117	127686	53.049	ug/l	94
91) 1,2-Dichlorobenzene	12.94	146	206174	47.591	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	20896	60.308	ug/l	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	144953	47.763	ug/l	97
94) Hexachlorobutadiene	14.19	225	95794	50.868	ug/l	98
95) Naphthalene	14.46	128	288785	50.085	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	136553	48.607	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

